

Title (en)
TIRE

Title (de)
REIFEN

Title (fr)
PNEUMATIQUE

Publication
EP 3711975 A4 20210721 (EN)

Application
EP 18875621 A 20180926

Priority
• JP 2017218605 A 20171113
• JP 2018035749 W 20180926

Abstract (en)
[origin: EP3711975A1] Disclosed is a tire including: at least one pin protruding from an inner circumferential surface of a tread portion of the tire toward a tire radial direction inner side; and a noise damper caught by the at least one pin, wherein the at least one pin has a distal end with a diameter smaller than that of portions other than the distal end.

IPC 8 full level
B60C 5/00 (2006.01); **B60C 19/00** (2006.01)

CPC (source: EP US)
B60C 5/00 (2013.01 - EP); **B60C 19/002** (2013.01 - EP US)

Citation (search report)
• [XAI] DE 102009024454 A1 20101216 - AUDI AG [DE]
• See references of WO 2019093005A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3711975 A1 20200923; EP 3711975 A4 20210721; EP 3711975 B1 20230315; CN 111344160 A 20200626; CN 111344160 B 20220208; JP 2019089410 A 20190613; US 11446968 B2 20220920; US 2020298631 A1 20200924; WO 2019093005 A1 20190516

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EP 18875621 A 20180926; CN 201880072666 A 20180926; JP 2017218605 A 20171113; JP 2018035749 W 20180926; US 201816763229 A 20180926